

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1047008

Luminaire Tested: 22PTR-35-PW1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1047008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PW1-L840-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

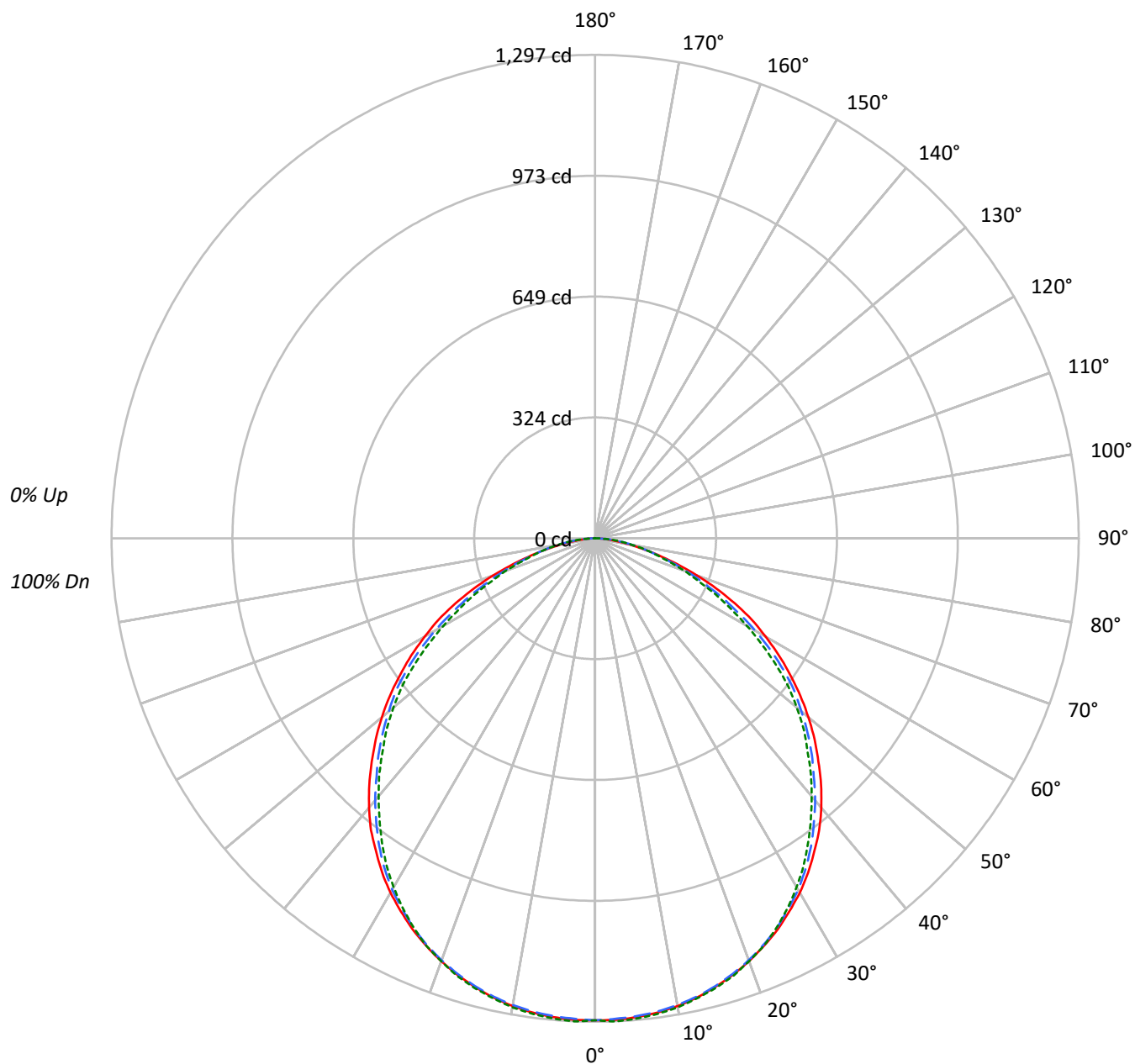
Lumens per Lamp: N/A
Luminaire Lumens: 3432.8 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.7	3.6
10°-20°	351.9	10.3
20°-30°	531.8	15.5
30°-40°	631.4	18.4
40°-50°	636.1	18.5
50°-60°	549.9	16.0
60°-70°	375.8	10.9
70°-80°	185.3	5.4
80°-90°	47.9	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1006.3	29.3
0°-40°	1637.7	47.7
0°-60°	2823.8	82.3
0°-90°	3432.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3432.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1290	1290	1287	1292	1294	123
15°	1246	1248	1244	1249	1249	352
25°	1158	1157	1153	1154	1152	533
35°	1025	1021	1009	1000	996	641
45°	847	838	822	812	805	654
55°	638	637	617	599	592	571
65°	413	398	375	358	356	407
75°	175	174	171	171	166	191
85°	33	39	43	44	43	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1293.5	1293.5	1293.5	1293.5	1293.5
2.5°	1293.2	1293.5	1290.2	1296.0	1297.4
5°	1289.7	1290.2	1286.9	1292.2	1293.5
7.5°	1283.6	1284.5	1280.7	1285.9	1286.9
10°	1274.4	1274.9	1271.6	1276.8	1277.9
12.5°	1262.0	1262.4	1259.6	1264.3	1264.3
15°	1246.2	1247.6	1244.3	1248.6	1249.0
17.5°	1228.4	1228.9	1225.6	1230.3	1231.4
20°	1207.3	1207.3	1204.5	1208.4	1207.3
22.5°	1183.8	1183.8	1180.5	1182.4	1183.3
25°	1158.0	1157.0	1153.2	1154.2	1152.3
27.5°	1128.3	1128.3	1121.5	1121.5	1118.2
30°	1098.1	1095.7	1088.6	1084.2	1080.9
32.5°	1063.5	1060.2	1051.1	1043.4	1041.0
35°	1024.8	1021.3	1009.3	1000.2	996.4
37.5°	987.4	979.7	963.8	954.8	950.4
40°	943.6	934.1	917.9	905.3	903.4
42.5°	896.8	889.1	868.1	858.8	856.6
45°	847.0	837.7	821.9	812.3	805.2
47.5°	798.0	791.2	773.1	761.6	759.2
50°	746.7	740.9	722.3	709.9	705.6
52.5°	693.5	689.7	673.9	658.0	652.8
55°	638.5	636.6	616.9	598.6	592.3
57.5°	584.3	581.9	557.3	536.3	530.5
60°	527.7	520.6	496.6	476.9	470.6
62.5°	474.1	458.8	432.8	417.5	410.3
65°	412.6	397.8	374.8	358.4	356.2
67.5°	352.3	334.6	316.8	306.7	299.0
70°	289.5	277.5	264.0	255.5	254.1
72.5°	230.9	222.4	215.6	210.4	206.0
75°	174.9	173.5	171.0	171.0	166.3
77.5°	128.5	131.8	133.8	133.2	134.3
80°	89.2	95.8	99.6	100.1	99.6
82.5°	56.6	64.3	70.5	71.4	72.5
85°	33.1	38.8	42.7	43.5	42.7
87.5°	14.8	18.6	19.7	20.6	19.7
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)